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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/022,298	12/18/2001	Matthew B. Donatucci	ATMI-514	1697
25559	7590	06/10/2005	EXAMINER	
ATMI, INC. 7 COMMERCE DRIVE DANBURY, CT 06810			BUEKER, RICHARD R	
			ART UNIT	PAPER NUMBER
			1763	
DATE MAILED: 06/10/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/022,298	Applicant(s) DONATUCCI ET AL.	
	Examiner Richard Bueker	Art Unit 1763	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 February 2005.
 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
 4a) Of the above claim(s) 15-24 is/are withdrawn from consideration.
 5) ☐ Claim(s) _____ is/are allowed.
 6) ☒ Claim(s) 1-4, 6-14 and 25-28 is/are rejected.
 7) ☒ Claim(s) 5 is/are objected to.
 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☐ All b) ☐ Some * c) ☐ None of:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>2/22/05</u> . | 6) <input type="checkbox"/> Other: _____ |

Claims 1-4, 6-8, 10, 12-14 and 25-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Barr (2,447,789) taken in view of Van Slyke (6,237,529) and/or Greer (5,104,695). Barr (Fig. 1) discloses a vaporizer comprising a thermally conductive block having a multiplicity of elongated, vertically positioned wells for placement of a vapor source material, and means for applying heat to the wells. Barr teaches (col. 2, lines 15-22 and col. 3, lines 20-42) that any suitable screening means can be used for preventing the escape during evaporation of particles appreciably greater than molecular size. Van Slyke (Figs. 1-9), abstract, col. 1, line 59 to col. 2, line 22 and col. 3, lines 20-23, for example) and Greer (Figs. 1-3, col. 1, lines 40-45 and col. 4, lines 10-34, for example) both disclose vaporizers having a screening means for preventing particulates from escaping during processing. Van Slyke (Figs. 1 and 2 and col. 5, lines 1-7, for example) and Greer (col. 3, lines 26-37, for example) teach that the screening means should be in the form of a sealing lid that is sealed to the top of the vaporizer container. It would have been obvious to one skilled in the art to modify the vaporizer of Barr for use with particulate screening means of the type taught by Van Slyke and/or Greer, because Barr teaches that his vaporizer can be modified for use with other known particulate screening means, and because Van Slyke and Greer teach that a screening means in the form of a lid that is sealed to the top of a vaporizer container will successfully prevent particulates from escaping from the vaporizer.

Claims 2 and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Barr (2,447,789) taken in view of Van Slyke (6,237,529) and/or Greer (5,104,695) for the reasons stated above, taken in further view of Tanabe (2001/0008121), who

teaches (see paragraph 52) that a thermocouple can be used to measure the temperature of a vaporizer for feedback control of the vaporizer temperature. It would have been obvious to one skilled in the art to use a thermocouple to control the temperature of the vaporizer of Barr, Van Slyke and/or Greer, in view of Tanabe's teaching that a vaporizer temperature can be successfully controlled using a thermocouple.

Claims 11 and 28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Barr (2,447,789) taken in view of Van Slyke (6,237,529) and/or Greer (5,104,695) for the reasons stated above, taken in further view of Holloway (3,647,197), who teaches (col. 4, lines 4-15) that it was known in the prior art to use aluminum as the material of construction for a thermally conductive vaporizer, and it would have been prima facie obvious to one skilled in the art to use this material for the thermally conductive vaporizer of Barr, Van Slyke and/or Greer, because Holloway teaches that aluminum can successfully be used to construct a vaporizer that requires thermal conductivity.

Claim 5 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Applicants' arguments have been considered but are not directed to the new grounds of rejection.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

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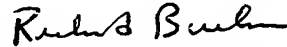
§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard Bueker whose telephone number is (571) 272-1431. The examiner can normally be reached on 9 AM - 5:30 PM, Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Parvis Hassanzadeh can be reached on (571) 272-1435. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Richard Bueker
Primary Examiner
Art Unit 1763